

Editorial

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In this issue, we have included two papers which have been presented orally to CGI'2010 being held in Singapore on June 8–12, 2010. In the first paper, authors from the University of Bradford present a simulation of intrinsic deformation behaviors of guidewire and catheters for interventional radiology (IR) procedures, such as minimally invasive vascular interventions. They demonstrate how especially real-time simulations for interactive training systems require not only the accuracy of guidewire manipulations, but also the efficiency of computations. In this paper, a novel elastic model for modelling guidewires is presented and evaluated.

The second paper also presented at CGI'2010 last June deals with Color Invariant Chroma Keying and Color Spill Neutralization for Dynamic Scenes and Cameras. It is authored by Anselm Grundhöfer, Daniel Kurz, Sebastian Thiele, and Oliver Bimber. In this article, the authors explain different realizations of temporal backdrops and describe how keying and color spill neutralization are carried out, how artefacts resulting from rapid motion can be reduced, and how their approach can be implemented to be compatible with common real-time postproduction pipelines.

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